

MEASURE, CONTROL & DOSING SYSTEMS



SALT ELECTROLYSIS |
CHLORINE DISINFECTION | UV TECHNOLOGY



AUTOMATIC MEASUREMENT AND DOSING OF WATER VALUES

Dosing and salt electrolysis systems ensure that the most important water values always remain within the optimum range. They play a decisive role in the automation of the pool system.



Dosing or salt electrolysis system, which are part of the iQnect pool technology set. www.iqnect.net



Dosing or salt electrolysis system, which are part of the iQnect pool technology set. www.iqmfort.net

COMPARISON OF SALT ELECTROLYSIS SYSTEMS



	iQntrol SALT-PRO	iQntrol SALT-MODBUS	TOUCH LOW SALT	TOUCH MAGNESIUM	iQntrol SALT-COMPLETE
Power supply	230 Vac - 50 Hz / 60 Hz			230Vac - 110Vac - 50/60Hz	230V
Production	10 g/h - 35 g/h	15 g/h - 35 g/h	15 g/h - 30 g/h	15 g/h - 35 g/h	25 g/h
Max. power	75 W - 263 W	80,25 W - 187,25 W	187,5 W - 385 W	80,25 W - 187,25 W	174 W
Required salt concentration	4-6 gr/l	4-6 gr/l	1-2 g/l	4-6 g/l	1,5 - 4 g/l
Manual regulation CL	✓	✓	✓	✓	✓
Automatic regulation CL	✓	✓	✓	✓	✓
Display ORP values*	✓	✓	✓	✓	✓
Display pH values*	✓	✓	✓	✓	✓
Automatic display of low salt content	✓	✓	✓	✓	✓
Automatic display of high salt content	✓	✓	✓	✓	✓
Water temperature display	✓ *	✓ *	✓ *	✓ *	✓
Self-cleaning cell	✓	✓	✓	✓	✓
Lifetime cell display	✓	✓	✓	✓	
Programmable relays	✓	✓	✓	✓	
MODBUS-RTU capable		✓	✓	✓	
RS485 interface					✓
App-capable, LAN interface					✓
Pool management functions					✓
Automatic alter					
Water flow rate	✓	✓	✓	✓	
Chlorine gas formation in the cell	✓	✓	✓	✓	
Accessories					
Sensor Redox ORP Set	✓ *	✓ *	✓ *	✓ *	✓
Sensor pH Set	✓ *	✓ *	✓ *	✓ *	✓
Sensor temperature set	✓ *	✓ *	✓ *	✓ *	✓
Sensor free chlorine ppm set	✓ *	✓ *	✓ *	✓ *	✓ *
Sensor flow meter set	✓ *	✓ *	✓ *	✓ *	✓

*Accessories required, not included in the scope of delivery

OPTIMUM PERFORMANCE

The optimum performance of salt water chlorination is based on the correct choice of chlorine production per hour depending on the pool size.
We recommend a salt concentration of at least 4 g/l (low salt 1-2 g/l) to ensure the best possible function of the salt electrolytic cell.

DURATION FILTER PROCESS H

	SWIMMING POOL SIZE M ³							
	25	50	75	100	125	150	175	200
4	15 g/h	25 g/h						
6	10 g/h	20 g/h	25 g/h	35 g/h				
8	10 g/h	15 g/h	20 g/h	25 g/h	35 g/h	35 g/h		
10			15 g/h	20 g/h	25 g/h	35 g/h	35 g/h	
12				20 g/h	25 g/h	25 g/h	35 g/h	35 g/h

If the water temperature regularly exceeds 28 °C, select a higher production level than indicated in the table.

iQntrol SALT ELECTROLYSIS SYSTEM SALT-COMPLETE

- » Pool management
- » Low salt function
- » Touchscreen
- » App-capable



iQntrol SALT-COMPLETE is a high-precision disinfection system with intelligent pool management functions. The SALT-COMPLETE salt electrolysis system measures the salt content and the redox value with a probe. It monitors the set pH value of the pool water and adjusts the dosage to the changing ambient conditions. In addition, the salt system doses the set amount of algicide daily in relation to the swimming pool volume.

POOL MANAGEMENT FUNCTIONS

- » Filter times (two time intervals per day)
- » Level control: The water level can be monitored with the optional pressure sensor or float switch; the water level can be monitored on up to four levels for overflow basins
- » Backwash control (backwash frequency): in combination with the Aquas- tar Easy 2 automatic backwash valve (backwash duration)
- » Pump control: connection for ON/OFF pump via integrated socket, for speed-controlled pump via 4 potential-free contacts, when changing the valve position (automatic 6-way valve) the pump is switched off, when backwashing the speed is increased for more efficient backwashing
- » Heating control: Intelligent control of the set water temperature for electric heaters, heat exchangers, heat pumps (supports temperature-dependent heat pump release)
- » Economy switching possible for overflow basins

PRODUCT DETAILS

- » Required salt concentration: 1.5 - 4 g/l
- » Measurement parameters: Salinity, redox value, pH value, water temperature, flow rate
- » App-capable, RS485+LAN interface, read & alarm functions
- » Water-cooled
- » Incl. flow sensor with fine filter, salt content sensor integrated in the fine filter
- » Max. output for directly plugged-in filter pumps: 1.4kW | 230V
- » Max. operating pressure: 1.5 bar
- » Protection class IP30
- » 2-year warranty on device and probe (if stored and installed correctly)



iQntrol SALT-COMPLETE	
Item No.	7301688
Production (Cl/h)	25 g
Pool size (m ³ with pump running time 8h)	125

iQntrol SALT ELECTROLYSIS SYSTEM SALT-MODBUS

- » **Smart Home function**
- » **Touchscreen**



- » Highly efficient bipolar cell
- » MODBUS-RTU interface
- » Advanced domotic functions
- » All pool settings can be controlled using the optional domotic set
- » TFT colour touch screen, easy to operate, incl. lock function for display
- » Data Log
- » APP available for IOS and ANDROID (only available in combination with iQnnect Loxone®)
- » 4 programmable relays for signal control of a frequency-controlled pump
- » Protection class IP65
- » 3-year guarantee on electrolysis, 2-year guarantee on cell



iQntrol SALT-MODBUS

Item No.	7300971	7300972	7300973	7300974
Production (Cl/h)	15 g	20 g	25 g	35 g
Pool size (m³ with pump running time 8h)	< 50	< 75	< 100	< 125

iQntrol SALT ELECTROLYSIS SYSTEM SALT-PRO

- » **Digital display**
- » **For small pool volumes**



- » Low power consumption
- » Improved performance thanks to power supply via switching power supply unit
- » 1 freely programmable relay, e.g. for the filter pump
- » Low operating temperature
- » Digital display, easy and intuitive to operate
- » Integrated microprocessor control to determine the operating hours
- » Lightweight, compact and easily adaptable for any installation
- » Protection class IP65
- » 3-year guarantee on electrolysis, 2-year guarantee on cell



iQntrol SALT-PRO

Item No.	7300560	7300561	7300562	7300563	7300564
Production (Cl/h)	10 g	15 g	20 g	25 g	35 g
Pool size (m³ with pump running time 8h)	< 25	< 50	< 75	< 100	< 125

Qntrol SALT ELECTROLYSIS SYSTEM

TOUCH LOW SALT

- » **Touchscreen**
- » **Low salt concentration**

- » Required salt concentration: 1-2 g/l
- » Highly efficient bipolar cell
- » MODBUS-RTU interface
- » Low power consumption
- » Touch display, easy and intuitive to operate
- » Improved performance thanks to power supply via switching power supply unit
- » Integrated microprocessor control to determine the operating hours
- » Low operating temperature
- » DataLog
- » 4 programmable signal relays
- » Protection class IP65
- » 2-year warranty on cell



Smart TOUCH LOW SALT

Item No.	7301581	7301582	7301583
Production (Cl/h)	15 g	20 g	30 g
Pool size (m ³ with pump running time 8h)	< 50	< 75	< 100

Qntrol SALT ELECTROLYSIS SYSTEM

TOUCH MAGNESIUM

- » **Touchscreen**
- » **Salt enriched with magnesium**

- » Highly efficient bipolar cell
- » MODBUS-RTU interface
- » Low power consumption
- » Touch display, easy and intuitive to operate
- » Improved performance thanks to power supply via switching power supply unit
- » Integrated microprocessor control to determine the operating hours
- » Low operating temperature
- » DataLog
- » 4 programmable signal relays
- » Protection class IP65
- » 2-year warranty on cell



Smart TOUCH MAGNESIUM

Item No.	7301587	7301588	7301589
Production (Cl/h)	15 g	25 g	35 g
Pool size (m ³ with pump running time 8h)	< 50	< 75	< 125

SALT ELECTROLYSIS SYSTEM ACCESSORIES



Smart sea salt

Is sea salt obtained from seawater in salt marshes or purified by other processes. In addition to sodium chloride, Smart Sea Salt also contains small amounts of other substances. Including salts of potassium, magnesium and manganese.
Recommended dosage: 4-6 kg/ 1m³ Smart Salt systems and 1-2 kg/ 1m³ for Smart Low Salt salt systems

- » High degree of purity of 99.99%
- » Hardly any labour required during the year thanks to one-off sea salt filling at the start of the season
- » Non-hazardous storage & handling (no contact with hazardous pool chemicals)
- » Lower operating costs thanks to less use of pool chemicals
- » No deprivation of the body's own natural salts

7301260

Grain:
1-2 mm

25 kg

7301261

Grain:
2-5 mm

25 kg



EmgiPool Magnesium

For Smart salt electrolysis system TOUCH Magnesium, 25 kg bag, magnesium content has a positive effect on the skin, bones & muscles

Recommended dosage of EmgiPool Magnesium: min. 20% magnesium of the total required salt volume

7300618



Accessories

1. Transparent electrode holder d50, 3x sensor holders ½" internal thread
2. Redox (ORP) sensor incl. sensor holder ½" external thread, without tapping clamp
3. pH sensor incl. sensor holder ½" external thread and dosing pump, without tapping clamp
4. Dosing pump 1.5 l/h

» Many more accessories at shop.peraqua.com

1. 7300857

2. 7300604

3. 7300605

4. 7300856

iQntrol DOSING SYSTEM DOS-COMLETE

- » Poolmanagement
- » Touchscreen
- » App-fähig
- » bis zu 250 m³ Poolgröße



iQntrol DOS-COMLETE is a high-precision disinfection system with intelligent pool management functions. Thanks to the four dosing pumps, disinfection, pH liquid, algaecide and flocculant can be dosed with one device. The touchscreen display shows all the information about the water quality and makes it easy to set up the entire system. With the internet connection, you can monitor the parameters of your pool via a mobile and/or web application.

The DOS-COMLETE dosing system ensures crystal-clear water in your pool using the smallest possible quantities of chemical additives. The free chlorine or redox value is measured using a membrane probe or redox probe. It monitors the set pH value of the pool water and automatically adjusts the dosage to the changing ambient conditions. In addition, the dosing system doses the set amount of algaecide daily in relation to the swimming pool volume. The additional use of algaecide reduces the chlorine requirement. The slow, continuous dosing of flocculant binds even the smallest impurities and improves filter efficiency.

POOL MANAGEMENT FUNCTIONS

- » Filter times (two time intervals per day)
- » Level control: The water level can be monitored with the optional pressure sensor or float switch; the water level can be monitored on up to four levels for overflow basins
- » Backwash control (backwash frequency): in combination with the Aquas- tar Easy 2 automatic backwash valve (backwash duration)
- » Pump control: connection for ON/OFF pump via integrated socket, for speed-controlled pump via 4 potential-free contacts, when changing the valve position (automatic 6-way valve) the pump is switched off, when backwashing the speed is increased for more efficient backwashing
- » Heating control: Intelligent control of the set water temperature for electric heaters, heat exchangers, heat pumps (supports temperature-dependent heat pump release)
- » Economy switching possible for overflow basins

PRODUCT DETAILS

- » Measurement parameters: Redox value/free chlorine, pH value, water temperature, flow rate
- » App-capable, RS485+LAN interface, read & alarm functions
- » incl. flow sensor with fine filter
- » max. output for directly plugged-in filter pumps: 1.4kW | 230V
- » max. operating pressure: 1.5 bar
- » Protection class IP30



iQntrol DOS-COMLETE	Redox	CLF
Item No.	7301686	7301685
Disinfection dosing capacity (l/h)	3.6	3.6
Dosing capacity pH regulation (l/h)	3.6	3.6

iQntrol DOSING SYSTEM DOS-NET

- » **Touchscreen**
- » **App-capable**
- » **Up to 250 m³ pool size**



iQntrol DOS-NET is a compact dosing system for water treatment that directly measures the redox potential of the pool water and thus doses the minimum amount of chemical additives required.

It monitors the set pH value of the swimming pool water and automatically adjusts the dosage to the changing ambient conditions.

The touchscreen display gives you full control over the measurement and regulation of the water values in the pool. With the internet connection, you can monitor the parameters of your pool via a mobile and/or web application.

PRODUCT DETAILS

- » Measurement parameters: Redox value, pH value, water temperature, flow rate
- » Incl. flow sensor with fine filter
- » App-capable, RS485+LAN interface, read & alarm functions
- » Power: 14 W
- » Max. operating pressure



iQntrol DOS-COMPLETE	
Item No.	7301687
Disinfection dosing capacity (l/h)	3.6
Dosing capacity pH regulation (l/h)	3.6

iQntrol DOSING SYSTEM DOS-MODBUS

- » **Smart Home function**
- » **Up to 100 m³ pool size**



The DOS-MODBUS is a Modbus-capable chlorine dosing system. The measured values (disinfection, pH value, temperature), current operating statuses as well as faults and alarms that have occurred can be displayed on any browser-enabled terminal device. The self-priming peristaltic dosing pumps inject disinfectant and pH regulators directly into the sample water flowing through.

- » **Incl. redox electrode made of large-area, self-cleaning platinum probe**, reliable response to changes in water quality and reliable maintenance of the desired disinfection power, the redox electrode is wear-free and lasts the life of the device
- » Flow monitoring; switches the device off automatically if the measuring cell flow is too low
- » Compact, transparent acrylic glass block with measuring cell illumination to indicate the device status
- » The system is delivered pre-assembled on a mounting plate and piece-tested



iQntrol DOS-MODBUS	
Item No.	7301302
Disinfection dosing capacity (l/h)	1.2
Dosing capacity pH regulation (l/h)	1

iQntrol DOSING SYSTEM DOS-PRO

» Up to 100 m³ pool size



The iQntrol DOS-PRO controls the measured variables pH value, redox and temperature and is suitable for disinfection with liquid chlorine. The self-priming peristaltic dosing pumps inject disinfectant and pH regulator directly into the flowing sample water

- » Faults and alarms that have occurred are shown with self-explanatory icons on the touch display
- » Professional-quality pH and redox electrodes ensure that the desired water values are maintained
- » Flow monitoring; switches the device off automatically if the measuring cell flow is too low



iQntrol DOS-PRO

Item No.	7301303
Disinfection dosing capacity (l/h)	1.2
Dosing capacity pH regulation (l/h)	0.7

iQntrol DOSING SYSTEM DOS-ECO

» up to 90 m³ pool size

iQntrol DOS-ECO automatically regulates the pH value* and the redox value (mV)** simultaneously, displays the redox value (mV) and the pH value at the same time. The dosing system adjusts the dosing (injection quantity) to the chemical requirement. Ideally suited for retrofitting, horizontal or vertical installation possible.

- » Volumetric alarm that prevents the chemical container from running empty
- » Supplied with a complete kit (2-in-1 probe holder), protects probes from electrical induction currents in the water, fits DN40 or DN50, single point for measurement and injection



iQntrol DOS-ECO

Item No.	7300333
Disinfection dosing capacity (l/h)	1.5
Dosing capacity pH regulation (l/h)	1.5

* do not use hydrochloric acid as a pH minus ** to ensure that the redox measurement works correctly, make sure that the stabiliser content in the tank does not exceed 15 ppm (15 mg/l)

smart DOSING SYSTEM POOL EASY

» pH or ORP

Automatically regulates the pH value or automatically regulates the redox value (mV), adjusts the dosing (injection quantity) to the chemical requirement, quick and easy installation

- » Volumetric alarm that prevents the chemical container from running empty
- » Supplied with a complete kit (2-in-1 probe holder), protects probes from electrical induction currents in the water
- » When replacing the sensor, you can easily switch from pH to ORP at the same time



Smart Pool Easy

Item No.	7300773	7300774
Measurement parameter	pH	ORP
pool size (max. m ³)	150	80
Disinfection dosing capacity (l/h)	1.5	1.5
Dosing capacity pH regulation (l/h)	1.5	1.5

smart UV-WATER TREATMENT QUANTUM HYBRID

- » 95% reflection
- » Photocatalysis
- » Titanium lining

Smart Quantum produces pure, sterile pool water by utilising nano-crystal technology, i.e. a photocatalytic reaction produces additional oxidising agents which convert organic substances such as sun oil, biofilm, urea into their harmless molecular form and much more.

- » Destroys bacteria, microorganisms, pathogens and viruses in water
- » Combined photocatalytic, hydroxyl radical and UV technology
- » Suitable for seawater
- » Flow monitor included
- » Indicator light for lamp replacement
- » All necessary sensors and control components are pre-assembled. Quick and easy installation in the (existing) pool system.
- » Protection class IP55

THE SUSTAINABLE CHOICE:

- » Very economical in power consumption
- » Significant reduction in chemical consumption, in combination with salt or chlorine systems best protection against water-borne microorganisms
- » Manufactured for lifelong operation



Smart Quantum Hybrid		
Item No.	740104	740105
Power consumption (W)	55, single-tube	110, twin-tube
Pool size (max. m³)	65	130
Flow rate (m³/h)	12	24
Connection (incl. reduction for 1½" / d50)	2" / d63	2" / d63
Voltage	220 - 240 V, 50 - 60 HZ	

smart WATER TREATMENT UV-C

- » 95% reflection

UV-C technology neutralises bacteria and viruses that even chlorine cannot kill. This water treatment was developed according to the latest findings regarding highly reflective reactor lining materials. This achieves up to 95% more reflection (20 - 28% with conventional stainless steel) and kills many microorganisms accordingly.

- » Suitable for seawater
- » Self-cleaning and repellent inner surface
- » Incl. flow switch and analogue lamp life indicator
- » Digital display Lifetime UV lamp optional
- » Reduces chlorine consumption
- » Protection class IP55



Smart UV-C		
Item No.	7301024	7301025
Power consumption (W)	55, single-tube	110, twin-tube
Pool size (max. m³)	50	100
Flow rate (m³/h)	21	42
Connection (incl. reduction for 1½" / d50)	2" / d63	2" / d63
Voltage	220 - 240 V, 50 - 60 HZ	

FAMILY, SPORT, RELAXATION - THERE'S LIFE IN A POOL.



PERAQUA®

A POOL FULL OF LIFE

Our top priority is to enrich every pool with creative, perfect, affordable and, above all, durable pool technology. The focus is on ensuring that the selected technology provides maximum ease of use, safety, cleanliness and sustainability for your project.

Adapted to the digital age, you can choose between fully automatic pool control solutions based on WiFi or manual system solutions in **Peraqua®-Quality**.

Our mission is to implement Peraqua® & Praher top quality in all areas of our range of services from sales, marketing, logistics, training, service as well as repair and after-sales service with the best commitment.

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